

CONTENTS OF VOLUME 68

No. 1, April 1987

P. SCOTTO, Y. ICHINOSE, L. PATANÉ, M. MEYER and J. PIIPER (F.R.G.): Alveolar-capillary diffusion of oxygen in dogs exercising in hypoxia (RSP 01263)	1
C. MÉLOT, R. NAEIJE, R. HALLEMANS, P. LEJEUNE and P. MOLS (Belgium): Hypoxic pulmonary vasoconstriction and pulmonary gas exchange in normal man (RSP 01264)	11
M. KALENGA and J.C. HENQUIN (Belgium): Alteration of lung mechanics by protein-calorie malnutrition in weaned rats (RSP 01259)	29
Y.-L. LAI (U.S.A.): Calcium dependency of massive <i>postmortem</i> bronchoconstriction in guinea pig lungs (RSP 01260)	41
C. DAVIS and M. S. KANNAN (Canada): Sympathetic innervation of human tracheal and bronchial smooth muscle (RSP 01265)	53
M. BERGEY and H. BAIER (U.S.A.): Lung mechanical properties in the West Indian Manatee (<i>Trichechus manatus</i>) (RSP 01266)	63
M. MANOHAR (U.S.A.): Regional distribution of brain blood flow during maximal exertion in splenectomized ponies (RSP 01261)	77
S. THOMAS, J. POUPIN, G. LYKKEBOE and K. JOHANSEN (France and Denmark): Effects of graded exercise on blood gas tensions and acid-base characteristics of rainbow trout (RSP 01262)	85
J. N. MAINA (Kenya): Morphometrics of the avian lung. 4. The structural design of the charadriiform lung (RSP 01256)	99
J. R. CLARKE, L. D. HOMER, E. T. FLYNN and M. E. BRADLEY (U.S.A.): Tracheal pressure and impedance as determinants of gas exchange during high frequency ventilation (RSP 01267)	121

No. 2, May 1987

C. G. GALLAGHER and M. YOUNES (Canada): Closing volume after inspiratory resistive loading to fatigue (RSP 01271)	137
W. E. FORDYCE and R. M. WHETSTONE (U.S.A.): Characteristics of a simple measure of respiratory impedance (RSP 01272)	145
J. YU, J. C. G. COLERIDGE and H. M. COLERIDGE (U.S.A.): Influence of lung stiffness on rapidly adapting receptors in rabbits and cats (RSP 01276)	161
R. HARDING, J. A. BUTTRESS, D. J. CADDY and G. A. WOOD (Australia): Respiratory and upper airway responses to nasal obstruction in awake lambs and ewes (RSP 01268)	177
G. A. A. DODD and W. K. MILSOM (Canada): Effects of H^+ versus CO_2 on ventilation in the Pekin duck (RSP 01270)	189
R. JEYARANJAN, R. GOODE, S. BEAMISH and J. DUFFIN (Canada): The contribution of peripheral chemoreceptors to ventilation during heavy exercise (RSP 01274)	203
W. SCHMIDT, D. BÖNING and K. M. BRAUMANN (F.R.G.): Red cell age effects on metabolism and oxygen affinity in humans (RSP 01269)	215
F. GIRARD, J. KISTER, B. BOHN and C. POYART (France): Functional properties of hemoglobin in human red cells. I. Oxygen equilibrium curves and DPG binding (RSP 01277)	227
T. TOYOFUKU, K. KUBO and T. KOBAYASHI (Japan): The effect of dextran solution on pulmonary plasma-lymph barrier in awake sheep (RSP 01273)	239

- P. SCOTTO, J.A. LOEPPKY, J. PIIPER and L.E. FARHI (F.R.G.): Acid-base status immediately following rapid changes of alveolar gas composition in awake dogs (RSP 01275) 251

No. 3, June 1987

- P. AGOSTONI, M.E. DEFFEBACH, W. KIRK and G.L. BRENGELMANN (U.S.A.): Temperature dependence of intraparenchymal bronchial blood flow (RSP 01288) 257
- E.E. FARIDY and J.A. THLIVERIS (Canada): Rate of secretion of lung surfactant before and after birth (RSP 01278) 269
- E.E. FARIDY (Canada): Air opening pressure in fluid-filled lungs (RSP 01279) 279
- E.E. FARIDY (Canada): Air opening pressure in fetal lungs (RSP 01280) 293
- G.A. FARKAS and A. DE TROYER (U.S.A. and Belgium): The ventral rib cage muscles in the dog: contractile properties and operating lengths (RSP 01281) 301
- F. MARCHAL and J.-P. CRANCE (France): Measurement of ventilatory system compliance in infants and young children (RSP 01284) 311
- G.S. MITCHELL and E.H. VIDRUK (U.S.A.): Effects of hypercapnia on phrenic and stretch receptor responses to lung inflation (RSP 01285) 319
- S.A. SHEA, J. WALTER, K. MURPHY and A. GUZ (U.K.): Evidence for individuality of breathing patterns in resting healthy man (RSP 01286) 331
- S.A. SHEA, J. WALTER, C. PELLEY, K. MURPHY and A. GUZ (U.K.): The effect of visual and auditory stimuli upon resting ventilation in man (RSP 01287) 345
- M. BONORA and H. GAUTIER (France): Maturational changes in body temperature and ventilation during hypoxia in kittens (RSP 01291) 359
- M.A. ROKITKA and H. RAHN (U.S.A.): Regional differences in shell conductance and pore density of avian eggs (RSP 01283) 371
- A. AR, H. GIRARD and P. DEJOURS (France): Oxygen consumption of the chick embryo's respiratory organ, the chorioallantoic membrane (RSP 01282) 377

